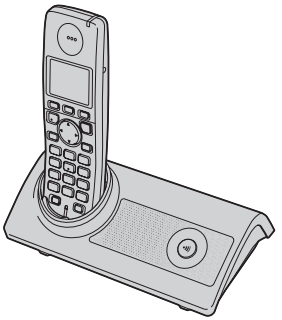


Panasonic

Operating Instructions

Digital Cordless Phone

Model No. **KX-TG1861NZ**

This unit is Caller ID compatible. To display the caller's phone number, you must subscribe to Caller ID service.

Charge the batteries for about 7 hours before initial use.

Please read these operating instructions before using the unit and save them for future reference.

Introduction

Thank you for purchasing a new Panasonic digital cordless phone.

For your future reference
Attach or keep original receipt to assist with any repair under warranty.

Serial No. (found on the bottom of the base unit)
Date of purchase
Name and address of dealer

Note:

- In the event of problems, you should contact your equipment supplier in the first instance.

Preparation

Accessory information 4
Important information 5
Controls 6
Displays 7
Connections 8
Battery installation/replacement 9
Battery charge 9
Screen saver mode 10
Turning the power on/off. 10
Symbols used in these operating instructions 10
Display language 11
Date and time 11

Making/Answering Calls

Making calls 12
Answering calls 13

Phonebook

Handset phonebook 15
Chain dial 17

Handset Settings

Handset settings. 18
Time settings 20
Ringer setup 20

Base Unit Settings

Base unit settings 22
Call options. 23

Caller ID Service

Using Caller ID service. 24
Caller list. 25
For Telecom Call Minder or TelstraClear Message Mailbox service subscribers . .26

Multi-unit Operation

Operating additional units 27
Registering a handset to a base unit . . .27
Intercom between handsets 29
Transferring calls between handsets, conference calls 29
Copying phonebook entries 30

Useful Information

Character entry 31
Error messages 33
Troubleshooting 33
Specifications 36

Index

Index 37

Accessory information

Included accessories

No.	Accessory items	Quantity
①	AC adaptor for base unit (Part No. PQLV207AL)	1
②	Telephone line cord	1
③	Rechargeable batteries AAA size (Part No. HHR-55AAAB or HHR-4EPT)	2
④	Handset cover*1	1

*1 The handset cover comes attached to the handset.

① ② ③ ④

Additional/replacement accessories

Please contact your nearest Panasonic dealer for sales information.

No.	Model No.	Description
①	KX-TGA186AZ	Additional Digital Cordless Handset
②	KX-TCA717EX	Wall-Mounting Adaptor
③	KX-TCA718EX	Belt Clip
④	KX-TCA94EX	Headset
⑤	KX-A272	DECT repeater

② ③ ④

Note:

- When replacing the batteries, use only 2 rechargeable AAA size nickel metal hydride (Ni-MH) batteries of capacity up to 750 mAh. We recommend using Panasonic rechargeable batteries (Model No. HHR-4EPT).
- We cannot be responsible for any damage to the unit or degradation of performance which may occur from using non-Panasonic rechargeable batteries.

Important information

General

- Use only the AC adaptor included with this product, noted on page 4.
- Do not connect the AC adaptor to any AC outlet other than a standard 220–240 V AC outlet.
- This product is unable to make calls when:
  - the portable handset battery(ies) need recharging or have failed.
  - there is a power failure.
  - the key lock feature is turned on.
- Do not open the base unit, charger, or handset other than to replace the battery(ies).
- This product should not be used near emergency/intensive care medical equipment and should not be used by people with pacemakers.
- Care should be taken that objects do not fall onto, and liquids are not spilled into, the unit. Do not subject this product to excessive smoke, dust, mechanical vibration or shock.

Environment

- Do not use this product near water.
- This product should be kept away from heat sources such as radiators, cookers, etc. It should also not be placed in rooms where the temperature is less than 5 °C or greater than 40 °C.
- The AC adaptor is used as the main disconnect device. Ensure that the AC outlet is installed near the unit and is easily accessible.

Warning:

- To prevent the risk of electrical shock, do not expose this product to rain or any other type of moisture.
- Unplug this unit from power outlets if it emits smoke, an abnormal smell or makes unusual noise. These conditions can cause fire or electric shock. Confirm that smoke has stopped and contact an authorised service centre.

Battery caution

- We recommend using the battery(ies) noted on page 4. **Use only rechargeable battery(ies).**
- Do not mix old and new batteries.
- Do not dispose of the battery(ies) in a fire, as they may explode. Check local waste management codes for special disposal instructions.
- Do not open or mutilate the battery(ies). Released electrolyte from the battery(ies) is corrosive and may cause burns or injury to the eyes or skin. The electrolyte may be toxic if swallowed.
- Exercise care when handling the battery(ies). Do not allow conductive materials such as rings, bracelets or keys to touch the battery(ies), otherwise a short circuit may cause the battery(ies) and/or the conductive material to overheat and cause burns.
- Charge the battery(ies) in accordance with the information provided in these operating instructions.
- Only use the included base unit (or charger) to charge the battery(ies). Do not tamper with the base unit (or charger). Failure to follow these instructions may cause the battery(ies) to swell or explode.

General warnings:

- This equipment will be inoperable when mains power fails.
- When a failure occurs which results in the internal parts becoming accessible, disconnect the power supply cord immediately and return this unit to an authorised service centre.

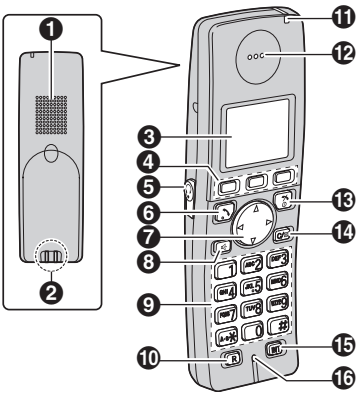
- Disconnect the telecom connection before disconnecting the power connection prior to relocating the equipment, and reconnect the power first.
- No “111” or other calls can be made from this device during a mains power failure. This equipment shall not be set to make automatic calls to the Telecom “111” Emergency Service.
- To minimise the possibility of lightning damage, when you know that a thunderstorm is coming, we recommend that you:
  – Unplug the telephone line cord from the phone jack.
  – Unplug the AC adaptor from the AC power outlet.
- The earpiece on the handset is magnetised and may retain small metallic objects.
- This equipment has been tested and found to comply with AS/NZS 3548: 1995 limits for electromagnetic interference. Any modifications to any part of the system or to any peripherals may void the EMC compliance of the system or the peripherals.
- Not all telephones will respond to incoming ringing when connected to the extension socket.
- This equipment may not provide for the effective hand-over of a call to another device connected to the same line.

Important notice:

- Under power failure conditions, this telephone may not operate. Please ensure that a separate telephone, not dependent on local power, is available for emergency use.

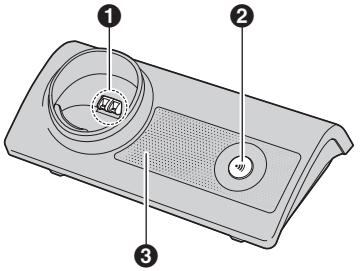
Controls

Handset



❶ Speaker
❷ Charge contact
❸ Display
❹ Soft keys
❺ Headset jack
❻【 】(Talk)
❼ Navigator key (【▲】/【▼】/【►】/【◄】)
❽【 】(Speakerphone)
❾ Dial keypad
❿【R】(Recall)
⓫ Charge indicator/Ringer indicator
⓬ Receiver
⓭【 】(Off/Power)
⓮【C/ 】(Clear/Mute)
⓯【INT】(Intercom)
⓰ Microphone

Base unit



❶ **Charge contact**
❷ **[•))] (Page)**
❸ **Ringer**

Displays

Display icons

Display icon	Meaning
Y	Within range of a base unit ● When flashing: Handset is searching for base unit. (out of range of base unit, handset is not registered to base unit, no power on base unit)
•))	Handset is accessing base unit. (intercom, paging, changing base unit settings, etc.)
☎	Handset is on an outside call.
↙	Missed call*1 (page 24)
⟲	Batteries are charging.
▮▮▮	Battery strength
◷	Alarm is on. (page 20)
✆	Voice enhancer is set to high or low tone. (page 13)
🔕	Ringer volume is off. (page 18)
🌙	Night mode is on. (page 20)
[2]	Handset number (standby display setting, page 18)
-2-	Base unit number (standby display setting, page 18)
✉	New call minder message received (page 26)
IN USE	Line is being used by another handset.

*1 Caller ID subscribers only

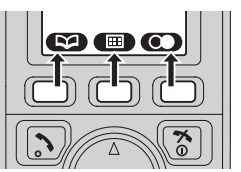
Menu icons

When in standby mode, pressing the middle soft key reveals the handset's main menu. From here you can access various features and settings.

Menu icon	Menu/feature
↙	Caller List
♪	Ringer Setup
◷	Time Settings
▯	Handset Setup
☎	Base Unit Setup
▭	Display Setup

Soft keys

The handset features 3 soft keys. By pressing a soft key, you can select the feature or operation indicated by the soft key icon shown directly above it.

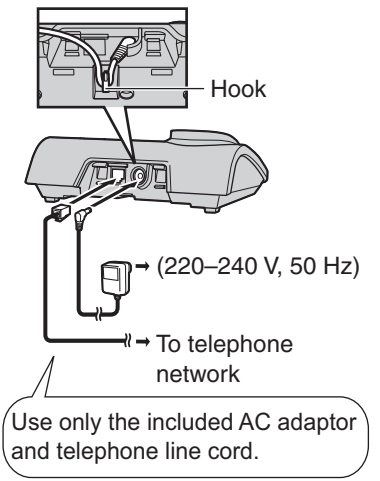


Soft key icons

Soft key icon	Action
	Returns to the previous screen.
	Displays the menu.
OK	Accepts the current selection.
	Displays a previously dialled phone number.
	Opens the handset phonebook.
	Displays the phonebook search menu.
	Turns the key lock feature off. (page 13)
1/A/?	Displayed when adding or editing a phonebook entry.
P	Inserts a dialling pause. (page 13)
	Erases the selected item.
	Displayed when the soft key has no function.

Connections

When connecting the AC adaptor to the base unit, a short beep will be heard. If it is not heard, check the connections.

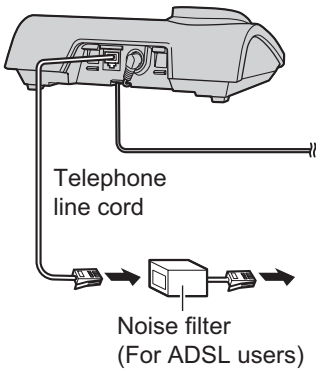


Note:

- Never install telephone wiring during a lightning storm.
- The AC adaptor must remain connected at all times. (It is normal for the adaptor to feel warm during use.)
- The AC adaptor should be connected to a vertically oriented or floor-mounted AC outlet. Do not connect the AC adaptor to a ceiling-mounted AC outlet, as the weight of the adaptor may cause it to become disconnected.
- The unit will not work during a power failure. We recommend connecting a standard telephone to the same telephone line or to the same telephone jack using a BT double adaptor.
- The unit is not designed to be used with rotary (pulse dialling) services.

If you subscribe to an ADSL service

- Please attach a noise filter (contact your ADSL provider) to the telephone line between the base unit and the telephone line jack in the event of the following:
  - Noise is heard during conversations.
  - Caller ID features (page 24) do not function properly.



Location

- For maximum distance and noise-free operation, place your base unit:
  - away from electrical appliances such as TVs, radios, personal computers or other phones.
  - in a convenient, high and central location.

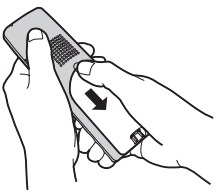
Battery installation/replacement

Important:

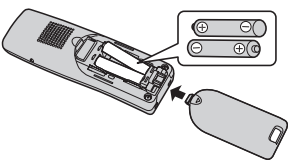
- Use only the included rechargeable batteries noted on page 4, 5.
- When replacing batteries, we recommend using the Panasonic rechargeable batteries noted on page 4, 5.
- Wipe the battery ends (⊕, ⊖) with a dry cloth.
- Install the batteries without touching the battery ends (⊕, ⊖) or the unit contacts.

1 Press the notch on the handset cover firmly and slide it in the direction of the arrow.

- When replacing batteries, remove the old batteries positive (⊕) terminal first.



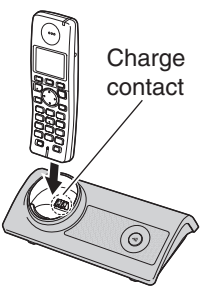
2 Insert the batteries negative (⊖) terminal first. Close the handset cover.



Battery charge

Place the handset on the base unit for about 7 hours before initial use.
When charging, and battery strength icon are alternately shown on the display. When the batteries are fully charged, remains on the display.

- The charge indicator lights up when the handset is placed on the base unit.



Note:

- It is normal for the handset to feel warm during charging.
- If you want to use the unit immediately, charge the batteries for at least 15 minutes.
- Clean the charge contacts of the handset and base unit with a soft, dry cloth once a month, otherwise the batteries may not charge properly. Clean more often if the unit is exposed to grease, dust or high humidity.

Battery strength

Battery icon	Battery strength
	High
	Medium
	Low When flashing: Needs to be charged.

Panasonic Ni-MH battery performance (included batteries)

Operation	Operating time
In continuous use	12 hours max.
In continuous standby mode	150 hours max.

Note:

- It is normal for batteries not to reach full capacity at the initial charge. Maximum battery performance is reached after a few complete cycles of charge/discharge (use).
- Actual battery performance depends on a combination of how often the handset is in use and how often it is not in use (standby).
- Battery operating time may be shortened over time depending on usage conditions and ambient temperature.
- Even after the handset is fully charged, the handset can be left on the base unit without any ill effect on the batteries.
- The battery strength may not be displayed correctly after you replace the batteries. In this case, place the handset on the base unit and charge for at least 7 hours.

Screen saver mode

The backlight will turn off completely after 1 minute of inactivity if the handset is not on the base unit.
To use the handset when it is in screen saver mode, first press 【⏻】 to turn the display on again.

Turning the power on/off

Power on

Press 【⏻】 for about 1 second.

Power off

Press 【⏻】 for about 2 seconds.

Symbols used in these operating instructions

Symbol	Meaning
(MENU)	Press (MENU) (middle soft key).
→	Proceed to the next operation.
(OK)	Press (OK) (middle soft key).
	Select the mentioned handset menu icon (page 7). **Example:** (handset setup menu icon) Select by pressing 【▲】, 【▼】, 【◄】, or 【►】.
“ ”	Select the words in quotations shown on the display (e.g., **“Time Settings”**) by pressing 【▲】 or 【▼】.

Display language

1 【⏻】 → (middle soft key)

2 Select by pressing 【▲】, 【▼】, 【◄】, or 【►】. → OK (middle soft key)

3 Press 【▲】 or 【▼】 to select "**Display Setup**". → OK

4 Press 【▲】 or 【▼】 to select "**Select Language**". → OK

5 Press 【▲】 or 【▼】 to select the desired language. → OK → 【⏻】

Note:

- If you select a language you cannot read, press 【⏻】, (middle soft key), press 【▼】, press OK, press 【▼】 2 times, press OK, press 【▼】 3 times, press OK, select the desired language, then press OK. Press 【⏻】.

Date and time

1 (middle soft key)

2 Select by pressing 【▲】, 【▼】, 【◄】, or 【►】. → OK (middle soft key)

3 Press 【▲】 or 【▼】 to select "**Time Settings**". → OK

4 Press 【▲】 or 【▼】 to select "**Set Date & Time**". → OK

5 Enter the current day, month, and year.
Example: 17 May, 2006
【1】【7】【0】【5】【0】【6】

6 Enter the current hour and minute.
Example: 3:30 PM
【0】【3】【3】【0】 → Press 【✳】 until "**03:30 PM**" is displayed.

7 OK → 【⏻】

Note:

- To correct a digit, press 【◄】 or 【►】 to move the cursor, then make the correction.
- The date and time may be incorrect after a power failure. In this case, set the date and time again.

Making calls

1 Lift the handset and dial the phone number.
- To correct a digit, press 【C/⊠】, then enter the correct number.

2 【✆】

3 When finished talking, press 【✆】 or place the handset on the base unit.

Speakerphone

1 During a conversation, press 【🔊】 to turn on the speakerphone.
- Speak alternately with the caller.

2 When finished talking, press 【✆】.

Note:
- For best performance, use the speakerphone in a quiet environment.
- To switch back to the receiver, press 【✆】.

To adjust the receiver or speaker volume
Press 【▲】 or 【▼】 while on a call.

Redial feature

Previously dialled phone numbers (each 24 digits max.) can be redialled.

To make a call using the redial list
The last 10 phone numbers dialled are stored in the redial list.

1 ⊂⊃ (right soft key)

2 Press 【▲】 or 【▼】 to select the desired number.

3 【✆】 / 【🔊】
- If 【🔊】 is pressed and the other party's line is engaged, the unit will automatically redial up to 9 more times. While the handset is waiting to redial, the ringer indicator will flash. To cancel, press 【✆】.

To edit a number in the redial list before calling it

1 ⊂⊃ (right soft key)

2 Press 【▲】 or 【▼】 to select the desired number. → ⌨

3 "Edit and Call" → OK

4 Press 【◄】 or 【►】 to move the cursor. → Edit the number.
- Place the cursor on the number you wish to erase, then press 【C/⊠】.
- Place the cursor to the right of where you want to insert a number, then press the appropriate dial key.

5 【✆】 / 【🔊】 / OK

To erase numbers in the redial list

1 ⊂⊃ (right soft key)

2 Press 【▲】 or 【▼】 to select the desired number. → ⌨

3 "Erase" → OK
- If you want to erase all numbers in the list, select "Erase All", then press OK.

4 "Yes" → OK → 【✆】

To store a number from the redial list into the handset phonebook

1 ⊂⊃ (right soft key)

2 Press 【▲】 or 【▼】 to select the desired number. → ⌨

3 "Add Phonebook" → OK

4 Enter a name (16 characters max.; page 31). → OK

5 Edit the phone number if necessary. → OK

6 Select the desired category (page 15). → OK

7 "Save" → OK → 【✆】

Other features

Voice enhancer

You can change the tone quality of the receiver while you are on a call.

1 Press (middle soft key) during a call.

2 "High Tone" or "Low Tone" → OK
- is displayed.

Mute

While mute is turned on, you will be able to hear the other party, but the other party will not be able to hear you.

To mute your voice, press 【C/⊠】.
- To return to the conversation, press 【C/⊠】 again.

Key lock

The handset can be locked so that no calls or settings can be made. Incoming calls can be answered, but all other functions are disabled while key lock is on.

To turn key lock on, press (middle soft key) for about 2 seconds.
- is displayed.
- To turn key lock off, press (middle soft key) for about 2 seconds.

R button (to use the recall feature)

【R】 is used to access optional telephone services. Contact your service provider/telephone company for details.

Note:
- If your unit is connected to a PBX (private branch exchange), pressing 【R】 can allow you to access certain features of your host PBX such as transferring an extension call. Consult your PBX dealer for details.
- You can change the recall time (page 22).

Call waiting

Call waiting is a service offered by your service provider/telephone company whereby a second caller can be answered while online with the first caller. To answer the second caller, press 【R】. To return to the first caller, press 【R】 again. Please consult your service provider/telephone company for details of this service.

Pause button (for PBX/long distance service users)

A pause is sometimes required when making calls using a PBX or long distance service.

Example: If you have to dial 【0】 before dialling outside numbers manually, you will probably need to pause after dialling 【0】 until you hear a dial tone.

1 【0】 → P

2 Dial the phone number. → 【】 / 【】

Note:
- A 3 second pause is inserted each time P is pressed. Press repeatedly to insert longer pauses.

Answering calls

1 Lift the handset and press 【】 or 【】 when the unit rings.
- You can also answer a call by pressing any dial key from 【0】 to 【9】, 【✳】, 【#】, or 【INT】. **(Any key answer feature)**

2 When finished talking, press 【】 or place the handset on the base unit.

Auto talk feature

You can answer calls simply by lifting the handset off the base unit. You do not need to press 【】. To turn this feature on, see page 19.

To adjust the handset ringer volume when receiving a call

Press 【▲】 or 【▼】.

Handset locator

Using this feature, you can locate the handset if it has been misplaced.

1 Press 【•))】 on the base unit.

2 To stop paging, press 【•))】 on the base unit or press 【✂⏻】 on the handset.

Handset phonebook

The handset phonebook allows you to make calls without having to dial manually. You can add 200 names and phone numbers to the handset phonebook, assign each handset phonebook entry to the desired category.

Adding entries to the handset phonebook

1 (left soft key) → (keypad)
2 "New Entry" → OK
3 Enter the party's name (16 characters max.; page 31). → OK
4 Enter the party's phone number (24 digits max.). → OK
5 Select the desired category. → OK
6 "Save" → OK → [off]

Categories

Categories can help you find entries in the handset phonebook quickly and easily. When adding an entry to the handset phonebook you can assign it to the desired category. You can change the names of categories assigned for handset phonebook entries ("Friends", "Family", etc.) and then search for handset phonebook entries by category. Additional category features are available for Caller ID subscribers (page 24).

Changing category names

1 (left soft key) → (keypad)
2 "Category" → OK
3 Select the desired category. → OK
4 "Category Name" → OK
5 Edit the name (10 characters max.; page 31). → OK → [off]

Finding and calling a handset phonebook entry

Handset phonebook entries can be searched for by first character, by category, or by scrolling through all handset phonebook entries.
When you have found the desired entry, press [talk].

Scrolling through all entries

1 (left soft key)
2 Press [▲] or [▼] to display the desired entry.

Searching by first character (index search)

1 (left soft key)
2 Press the dial key ([0] to [9]) which contains the character you are searching for (page 31).
- Press the same dial key repeatedly to display the first entry corresponding to each letter located on that dial key.
- If there is no entry corresponding to the letter you selected, the next entry will be displayed.
- To change the character entry mode: (search) → "Index Search" → OK → Select the character entry mode. → OK

3 Press [▲] or [▼] to scroll through the phonebook if necessary.

Searching by category

1 (left soft key) → (search)
2 "Category Search" → OK
3 Select the category you want to search. → OK
- If you select "All", the unit will end the category search.

4 Press 【▲】 or 【▼】 to scroll through the phonebook if necessary.

Editing entries in the handset phonebook

Changing a name, phone number, category

1 Find the desired entry (page 15). →
2 "Edit" → OK
3 Edit the name if necessary (16 characters max.; page 31). → OK
4 Edit the phone number if necessary (24 digits max.). → OK
5 Select the desired category. → OK
6 "Save" → OK → 【⏻】

Erasing entries from the handset phonebook

Erasing an entry

1 Find the desired entry (page 15). →
2 "Erase" → OK
3 "Yes" → OK → 【⏻】

Erasing all entries

1 (left soft key) →
2 "Erase All" → OK
3 "Yes" → OK
4 "Yes" → OK → 【⏻】

One touch dial

Assigning an entry in the handset phonebook to a one touch dial key

Dial keys 【1】 to 【9】 can each be used as a one touch dial key, allowing you to dial a number from the handset phonebook by simply pressing a dial key.

1 Find the desired entry (page 15). →
2 "One Touch Dial" → OK
3 Press 【▲】 or 【▼】 to select the desired dial key number. → OK
- When the dial key is already used as a one touch dial key, "∗" is displayed next to the dial key number. If you select this dial key, you can overwrite the previous assignment.

4 "Save" → OK → 【⏻】

Making a call using a one touch dial key

1 Press and hold the desired one touch dial key (【1】 to 【9】).
- You can view other one touch dial assignments by pressing 【▲】 or 【▼】.

2 【📞】/【🔊】

Erasing a one touch dial assignment

1 Press and hold the desired one touch dial key (【1】 to 【9】). →
2 "Erase" → OK
3 "Yes" → OK → 【⏻】

Note:

- The corresponding handset phonebook entry is not erased.

Chain dial

This feature allows you to dial phone numbers in the handset phonebook while you are on a call. This feature can be used, for example, to dial a calling card access number or bank account PIN that you have stored in the handset phonebook, without having to dial manually.

1 While on a call, press .

2 Press 【▲】 or 【▼】 to select the desired entry.

- To search by first character (index search), see page 15. To search by category, see page 15.

3 Press OK to dial the number.

Handset settings

- When customising the handset, the current item or setting is highlighted.

To customise the handset:

1. (middle soft key)
2. Select by pressing 【▲】, 【▼】, 【◄】, or 【►】. → OK (middle soft key)
3. Press 【▲】 or 【▼】 to select the desired item in the handset settings menu. → OK
4. Press 【▲】 or 【▼】 to select the desired item in the sub-menu. → OK
   - In some cases, you may need to select from a second sub menu. → OK
5. Press 【▲】 or 【▼】 to select the desired setting then press OK or follow the instruction in the "Feature" column of the chart.
   - To exit the operation, press 【C】.

Handset settings menu	Sub-menu	Sub-menu 2	Feature (default setting)
Time Settings	Set Date & Time	—	Date and time: page 11
	Alarm	—	Set the alarm: page 20
Ringer Setup	Ringer Volume	—	Handset ringer volume *(Maximum)*[*1]
	Ext. Ringtone	—	Ringtones for outside calls ("Ringtone 1")[*2]
	Int. Ringtone	—	Ringtones for intercom calls ("Ringtone 3")[*3]
	Night Mode	Start/End	*(23:00/06:00)*: page 20
		On/Off	("Off"): page 20
		Ring Delay	("60 sec."): page 21
		Select Category	page 21
Display Setup	Wallpaper	—	("Wallpaper1")
	Display Colour	—	("Colour1")
	Standby Display	—	Standby mode display ("Off")[*4]
	Select Language	—	Display language ("English"): page 11
	Contrast	—	Display contrast ("Contrast 3")
Registration	Register H.set	—	page 27
Select Base	—	—	Select a base unit ("Auto"): page 28

Handset settings menu	Sub-menu	Sub-menu 2	Feature (default setting)
Other Options	Keytones	—	Keytones on/off (“On”)
	Auto Talk	—	Auto talk on/off (“Off”)*5

*1 When the ringer volume is turned off, 🔕 is displayed.
When the ringer is turned off, the handset will ring:
– at the minimum level for alarm and intercom calls
– at the maximum level for paging

*2 If you select one of the melody ringtones, the ringtone will continue to sound for several seconds if the caller hangs up before you answer. You may hear a dial tone or no one on the line when you answer a call.
The preset melodies in this product are used with permission of © 2004 M-ZoNE Co., Ltd.

*3 The preset melodies in this product are used with permission of © 2004 M-ZoNE Co., Ltd.

*4 If “Off” is selected, only current date and time are displayed.
If “Handset Number” is selected and the current handset number is 2, “[2]” is displayed.
If “Base Number” is selected and the current base unit number is 2, “-2-” is displayed.

*5 Auto talk feature allows you to answer calls simply by lifting the handset off the base unit. You do not need to press 【📞】.

Time settings

Alarm

An alarm will sound for 3 minutes at the set time once or daily. Set the date and time beforehand (page 11).

1 (middle soft key) → → OK
2 "Time Settings" → OK
3 "Alarm" → OK 2 times
4 Select an alarm mode. → OK

Off	Turns alarm off. Press OK again, then press 【⏻】 to finish.
Once	The alarm sounds once at the set time. Enter the desired day and month.
Daily	An alarm sounds daily at the set time.

5 Enter the desired hour and minute. → OK
6 Select the desired ringtone. → OK
7 "Save" → OK → 【⏻】
- When the alarm is set, ◷ is displayed.

Note:

- To stop the alarm, press any dial key.
- When in talk or intercom mode, the alarm will not sound until the call has ended.
- If you select "Once", the setting will change to "Off" after the alarm sounds.

Ringer setup

Night mode

Night mode allows you to select a block of time during which the handset will not ring for outside calls. This feature is useful for times when you do not want to be disturbed, for example, while sleeping.
Using the handset phonebook's category feature (page 15), you can also select categories of callers whose calls will override night mode and ring the handset (Caller ID subscribers only).
Set the date and time beforehand (page 11).

Note:

- We recommend turning the base unit ringer off (page 22) in addition to turning the night mode feature on.

Setting the start and end time for night mode

1 (middle soft key) → → OK
2 "Ringer Setup" → OK
3 "Night Mode" → OK
4 "Start/End" → OK
5 Enter the desired hour and minute you wish to start this feature.
6 Enter the desired hour and minute you wish to end this feature.
7 OK → 【⏻】

Turning night mode on/off

1 (middle soft key) → → OK
2 "Ringer Setup" → OK
3 "Night Mode" → OK
4 "On/Off" → OK
5 "On" or "Off" → OK → 【⏻】
- When the night mode is set, is displayed.

Setting the ring delay for night mode

This setting allows the handset to ring during night mode if the caller waits long enough. After the selected amount of time passes, the handset will ring. If you select **"No Ringing"**, the handset will not ring during night mode.

1. (middle soft key) → → OK
2. **"Ringer Setup"** → OK
3. **"Night Mode"** → OK
4. **"Ring Delay"** → OK
5. Select the desired setting. → OK → 【✂⏻】

Selecting categories to bypass night mode

1. (middle soft key) → → OK
2. **"Ringer Setup"** → OK
3. **"Night Mode"** → OK
4. **"Select Category"** → OK
5. Press the desired category numbers. → OK
   - The selected category number will flash.
   - To cancel a selected category number, press the number again. The number will stop flashing.
6. 【✂⏻】

Base unit settings

- Use the handset to customise the base unit.
- When customising the base unit, the current item or setting is highlighted.

To customise the base unit:

1. (middle soft key)
2. Select by pressing 【▲】, 【▼】, 【◄】, or 【►】. → OK (middle soft key)
3. Press 【▲】 or 【▼】 to select the desired item in the base unit settings menu. → OK
4. Press 【▲】 or 【▼】 to select the desired item in the sub-menu. → OK
5. Press 【▲】 or 【▼】 to select the desired setting then press OK or follow the instruction in the "Feature" column of the chart.
   - To exit the operation, press 【C】.

Base unit settings menu	Sub-menu	Feature (default setting)
Ringer Volume	—	Base unit ringer volume *(Medium)*
Call Options	Recall/Flash	Change the recall time ("600 msec."). *1
	Area Code	page 23
	Call Restrict	page 23
Other Options	Base Unit PIN	Change base unit PIN ("0000"). *2 – Enter the current 4-digit base unit PIN. → Enter the new 4-digit base unit PIN. → OK
	Repeater Mode	("Off"): page 29

*1 Change the recall time, if necessary, depending on the requirements of your service provider/telephone company or PBX.

*2 If you change the PIN, please make note of your new PIN. The unit will not reveal the PIN to you. If you forget your PIN, consult your nearest Panasonic service centre.

Call options

Selecting area codes to be deleted automatically

In some situations, phone numbers stored automatically in the Caller ID list (page 25) will include area codes. If you do not want to dial the area codes when making calls from the Caller ID list, you can store the area codes which you want the unit to delete automatically.

Example: You have stored the area code **"09"**. If you make a call from the Caller ID list to the phone number **"09-456-7890"**, the unit dials **"456-7890"**.

1 (middle soft key) → → **OK**

2 **"Call Options"** → **OK**

3 **"Area Code"** → **OK**

4 Enter an area code (5 digits max.). → **OK** → 【↷⏻】

Note:

- The use of this feature can prevent a National Call from being dialled. E.g., in the case of the South Island, the "03" will be omitted and will therefore prevent a National Call to other areas of the South Island.

Setting call restriction

You can restrict selected handsets from dialling certain numbers. You can assign up to 6 phone numbers to be restricted, and select which handsets will be restricted. Storing area codes here will prevent the restricted handsets from dialling any phone number in that area code.

1 (middle soft key) → → **OK**

2 **"Call Options"** → **OK**

3 **"Call Restrict"** → **OK**

4 Enter the base unit PIN (default: **"0000"**).

5 Set which handsets will be restricted by pressing the desired handset number.

- All the registered handset numbers will be displayed.
- Flashing numbers indicate call restriction is turned on for the corresponding handset.
- To turn call restriction off for a handset, press the number again. The number will stop flashing.

6 **OK**

7 Select a memory location. → **OK**

8 Enter the phone number or area code to be restricted (8 digits max.). → **OK** → 【↷⏻】

- To erase a restricted number, press 【C/⊠】.

Using Caller ID service

Important:

- This unit is Caller ID compatible. To use Caller ID features (such as displaying caller phone numbers), you must subscribe to Caller ID service. Consult your service provider/telephone company for details.

For all local and national incoming calls, your display will show the area code (e.g. 09 for Auckland) or the cellular prefix (e.g. 0274 for Telecom Cellular) followed by the caller's telephone number. An Auckland caller's number will be displayed as 09XXXXXXX. The seven X's represent the seven digits of the caller's telephone number. A caller from a 6-digit Telecom Cellular number will be displayed as 0274XXXXXX. For incoming international calls, your display may only show **"0000"**. For business users on a Centrex line, your display will show Centrex extension numbers in the shorter extension number format used within your company.

- The Caller ID information will not be presented on incoming fax calls if Telecom FaxAbility is used.

Using toll services from Telecom or another company

Your telephone company may charge you for a local call if the number dialled has the area code prefix included. If this is unacceptable, dial only the 7-digit local number. Do not dial the **【0】** prefix or the area code.

Caller ID features

When an outside call is received, the caller's phone number will be displayed.

- Phone numbers of the last 50 callers will be logged in the caller list.
- When caller information is received and it matches a phone number stored in the unit's phonebook:
  - The stored name will be displayed and logged in the caller list.
  - The handset will use the display colour and ringtone assigned to the caller's category.
- If the unit is connected to a PBX system, you may not receive the caller information.
- When the caller dialled from an area which does not provide Caller ID service, **"Out of Area"** will be displayed.
- When the caller requested not to send caller information, either no information or **"Private Caller"** will be displayed.

Missed calls

If a call is not answered, the unit treats the call as a missed call. ➔) and the number of missed calls are shown on the display. This lets you know if you should view the caller list to see who called while you were out.

Category features for handset phonebook

Categories can help you identify who is calling by using different ringtones and display colours for different categories of callers. When adding an entry to the handset phonebook you can assign it to the desired category (page 15). When a call is received from a caller assigned to a category, the category's display colour and ringtone you selected are used.

Changing category ringtones

If you select **"Ext. Ringtone"**, the unit will use the external ringtone you set on page 18 when calls from this category are received. The default setting is **"Ext. Ringtone"**.

1 (left soft key) → (menu)

2 **"Category"** → OK

3 Select a category. → OK
4 Select the current setting of the category ringtone. → OK
5 Select the desired ringtone. → OK → [⏻]

Changing category display colours

If you select "Display Colour", the unit will use the display colour you set on page 18 when calls from this category are received. The default setting is "Display Colour".

1 [📖] (left soft key) → [▦]
2 "Category" → OK
3 Select a category. → OK
4 Select the current setting of the category colour. → OK
5 Select the desired colour. → OK → [⏻]

Caller list

Viewing the caller list and calling back

1 [▦] (middle soft key) → [📞] → OK
2 Press [▼] to search from the most recent call, or press [▲] to search from the oldest call.
- If the item has already been viewed or answered, "✓" is displayed, even if it was viewed or answered using another handset.
- To erase the item, press [✕]. → "Yes" → OK

3 [📞] / [🔊]

Note:

- If you do not want to dial the area codes when making calls from the Caller ID list, you can store the area codes which you want the unit to delete automatically (page 23).

Editing a caller's phone number before calling back

The caller's telephone number, which is sent to your telephone from your local telephone exchange, includes "0" and an area code prefix. For local calls, "0" and the area code prefix can be omitted.

1 [▦] (middle soft key) → [📞] → OK
2 Press [▲] or [▼] to display the desired entry.
3 [▦] → "Edit and Call" → OK
4 Edit the number.
- Press dial key ([0] to [9]) to add, [C/⌫] to delete.

5 [📞] / [🔊] / OK

Erasing caller information

1 [▦] (middle soft key) → [📞] → OK
2 Press [▲] or [▼] to display the desired entry. → [▦]
3 "Erase" → OK
- To erase all entries, select "Erase All". → OK

4 "Yes" → OK → [⏻]

Storing caller information into the handset phonebook

1 [▦] (middle soft key) → [📞] → OK
2 Press [▲] or [▼] to display the desired entry. → [▦]
3 "Add Phonebook" → OK
4 Continue from step 3, "Adding entries to the handset phonebook", page 15.

For Telecom Call Minder or TelstraClear Message Mailbox service subscribers

To receive Call Minder or Message Mailbox messages, please note the following:
“Call Minder” and “Message Mailbox” are automatic answering services offered by your service provider/telephone company. If you subscribe to this service, your service provider/telephone company’s voice mail system will answer calls for you when you are unavailable to answer the phone or when your line is busy. Messages are recorded by your service provider/telephone company, not your telephone. Your service provider/telephone company uses a “Stutter” dial tone (special dial tone) to indicate that you have new messages. When you have new messages, ✉ will be displayed on the handset. Please consult your service provider/telephone company for details of this service.

Note:

- If ✉ still remains on the display even after you have listened to new messages, turn it off by pressing and holding **【C/⊠】** for 2 seconds.

Operating additional units

Additional handsets

Up to 6 handsets can be registered to a single base unit. Additional handsets will give you the freedom to, for example, have an intercom call with another handset while a third handset is on an outside call. See page 4 for information on ordering additional handsets.

Important:

- The additional handset model recommended for use with this unit is noted on page 4. If other model handset is used, certain operations (handset settings, base unit settings, etc.) may not be available.

Additional base units

Handsets can be registered to up to 4 base units, allowing you to add additional base units and extend the area in which your handset(s) can be used. If a handset moves out of range of its base unit when **"Auto"** is selected on base unit selection (page 28), it will look for another base unit to make or receive calls. A base unit and the handsets it communicates with is called a "radio cell".

Note:

- Calls will be disconnected when the handset moves from one radio cell to another.

Registering a handset to a base unit

The included handset and base unit are preregistered. If for some reason the handset is not registered to the base unit (for example, Ψ flashes even when the handset is near the base unit), register the handset manually (page 27).

To register an additional handset to a base unit (easy registration)

After purchasing an additional handset, register it to the base unit. Ensure that the additional handset is switched on. If it is not on, press and hold 【⏻】 for few seconds to turn the handset on.

1. Lift the additional handset and press 【⏻】 to put the handset in standby mode.
2. Press and hold 【📡】 on the base unit for about 3 seconds, until the registration tone sounds.
3. Place the additional handset on the base unit. The registration tone continues to sound. With the handset still on the base unit, wait until a confirmation tone sounds and Ψ stops flashing.

Note:

- If an error tone sounds, or if Ψ is still flashing, register the handset manually (manual registration; page 27).
- If all registered handsets start ringing in step 2, press 【📡】 to stop. Start again from step 1.
- Charge the batteries of your additional handset for about 7 hours before initial use.
- This registration method cannot be used for handsets that have already been registered to a base unit. Register the handset manually (manual registration; page 27).

To register a handset to an additional base unit (manual registration)

You can register a handset to a base unit manually using the following method.

1. ⌨ (middle soft key) → 📱 → OK
2. **"Registration"** → OK

3 **"Register H.set"** → **OK**

4 Select a base unit number. → **OK**
- This number is used by the handset as a reference only.

5 Press and hold **【•))】** on the base unit for about 3 seconds, until the registration tone sounds.
- If all registered handsets start ringing, press **【•))】** to stop, then repeat this step.
- After pressing **【•))】**, the rest of this procedure must be completed within 1 minute.

6 Wait until **"Enter Base PIN"** is displayed, then enter the base unit PIN (default: **"0000"**), then press **OK**.
- When the handset has been registered successfully, Ƴ will stop flashing. If keytones are turned on (page 19), a confirmation tone will be heard.

Selecting a base unit

When **"Auto"** is selected, the handset will automatically use any available base unit it is registered to. When a specific base unit is selected, the handset will make and receive calls using that base unit only. If the handset is out of range of that base unit, no calls can be made.

1 (middle soft key) → → **OK**

2 **"Select Base"** → **OK**

3 Select the desired base unit number, or **"Auto"**. → **OK**
- The handset starts searching for the base unit.

Cancelling a handset

A maximum of 6 handsets can be registered to a base unit. A handset can cancel its own registration (or the registration of another handset) that is stored in the base unit. This will allow the base unit to "forget" the handset.

1 (middle soft key) → → **OK**

2 Enter **"335"**.

3 **"Cancel Handset"** → **OK**
- The numbers of all handsets registered to the base unit are displayed.

4 Select the handset(s) you want to cancel, by pressing the desired handset number. → **OK**
- The selected handset number(s) will flash.
- To cancel a selected handset number, press the number again. The number will stop flashing.

5 **"Yes"** → **OK** → **【⌂】**

Cancelling a base unit

A handset can be registered to a maximum of 4 base units. A handset can cancel a base unit that it is registered to. This allows the handset to "forget" the base unit.

1 (middle soft key) → → **OK**

2 **"Registration"** → **OK**

3 Enter **"335"**.

4 **"Cancel Base"** → **OK**

5 Select the base unit(s) you want to cancel, by pressing the desired base unit number. → **OK**
- The selected base unit number(s) will flash.
- To cancel a selected base unit number, press the number again. The number will stop flashing.

6 **"Yes"** → **OK** → **【⌂】**

Note:
- To register the handset to another base unit or to the same base unit again, see manual registration (page 27).

Increasing the range of the base unit

You can increase the signal range of the base unit by using a DECT repeater. Please use only the Panasonic DECT repeater noted on page 4. Consult your Panasonic dealer for details.

Important:

- Before registering the repeater to this base unit, you must turn the repeater mode on.
- Do not use more than one repeater at a time.

Setting the repeater mode

1. (middle soft key) → → OK
2. "Other Options" → OK
3. "Repeater Mode" → OK
4. "On" or "Off" → OK → 【⏻】

Note:

- After turning repeater mode on or off, will flash on the handset momentarily. This is normal. The handset can be used once stops flashing.

Intercom between handsets

Intercom calls can be made between handsets in the same radio cell.

Example: When handset 1 calls handset 2

1. **Handset 1:**
   【INT】 → Press 【2】 (desired handset number).
2. **Handset 2:**
   Press 【📞】 / 【🔊】 to answer.
3. When finished talking, press 【⏻】.

Transferring calls between handsets, conference calls

Outside calls can be transferred between 2 people in the same radio cell. 2 people in the same radio cell can have a conference call with an outside party.

Example: When handset 1 transfers a call to handset 2

1. **Handset 1:**
   During an outside call, press 【INT】. → Press 【2】 (desired handset number).
   - The outside call will be put on hold.
   - If there is no answer, press 【INT】 to return to the outside call.
2. **Handset 2:**
   Press 【📞】 / 【🔊】 to answer the page.
   - Handset 2 can talk with handset 1.
3. **Handset 1:**
   To complete the call transfer, press 【⏻】.
   To establish a conference call, press 【3】.

Transferring a call without speaking to the other handset user

1. During an outside call, press 【INT】. → Press the desired handset number.
   - flashes to indicate the outside call is on hold.
2. 【⏻】
   - The outside call rings at the other handset.

Note:

- If the other handset user does not answer the call within 1 minute, the call will ring at your handset again.

Copying phonebook entries

You can copy handset phonebook entries to the handset phonebook of another compatible Panasonic handset.

Copying one entry

1. Find the desired handset phonebook entry (page 15). → (keypad)
2. "Copy" → OK
3. Enter the handset number you wish to send the handset phonebook entry to.
   - When an entry has been copied, "Completed" is displayed.
   - To continue copying another entry: "Yes" → OK → Find the desired handset phonebook entry. → OK
4. 【Off】

Copying all entries

1. (left soft key) → (keypad)
2. "Copy All" → OK
3. Enter the handset number you wish to send the handset phonebook entry to.
   - When all entries have been copied, "Completed" is displayed.
4. 【Off】

Character entry

The dial keys are used to enter characters and numbers. Each dial key has multiple characters assigned to it. The available character entry modes are Alphabet (ABC), Numeric (0-9), Greek (АВГ), Extended 1 (AÄÅ), Extended 2 (SŚŠ), and Cyrillic (АБВ). When in these entry modes except Numeric, you can select which character is entered by pressing a dial key repeatedly.

– Press 【◄】 or 【►】 to move the cursor.
– Press dial keys to enter characters and numbers.
– Press 【C/⊠】 to erase the character or number highlighted by the cursor. Press and hold 【C/⊠】 to erase all characters or numbers.
– Press 【✳】 to switch between uppercase and lowercase.
– To enter another character located on the same dial key, press 【►】 to move the cursor to the next space, then press the appropriate dial key.

Character entry modes

Several character entry modes can be used when entering text. The characters that can be entered depend on the entry mode.

Characters available in each character entry mode

When the unit displays the character entry screen:
1/A/? (right soft key) → Select a character entry mode. → OK

Alphabet character table (ABC)

0	1	ABC 2	DEF 3	GHI 4	JKL 5	MNO 6	PQRS 7	TUV 8	WXYZ 9
Space 0	Space # & ' ( ) ✳ , - . / 1	A B C 2 a b c 2	D E F 3 d e f 3	G H I 4 g h i 4	J K L 5 j k l 5	M N O 6 m n o 6	P Q R S 7 p q r s 7	T U V 8 t u v 8	W X Y Z 9 w x y z 9

Numeric entry table (0-9)

0	1	ABC 2	DEF 3	GHI 4	JKL 5	MNO 6	PQRS 7	TUV 8	WXYZ 9
0	1	2	3	4	5	6	7	8	9

Greek character table (АВГ)

0	1	ABC 2	DEF 3	GHI 4	JKL 5	MNO 6	PQRS 7	TUV 8	WXYZ 9
Space 0	Space # & ' ( ) ✳ , - . / 1	A B Γ 2	Δ E Z 3	H Θ I 4	K Λ M 5	N Ξ O 6	Π P Σ 7	T Y Φ 8	X Ψ Ω Ϫ 9

Extended 1 character table (AÄÅ)

0	1	ABC 2	DEF 3	GHI 4	JKL 5	MNO 6	PQRS 7	TUV 8	WXYZ 9
Space 0	Space # & ' ( ) ∗ , - . / 1	A À Á Â Ã Ä Å Æ B C Ç 2	D E È É Ê Ë Ẽ F 3	G Ğ H I Ì Í Î Ï Ĩ İ Ǐ 4	J K L 5	M N Ñ O Ò Ó Ô Õ Ö ø 6	P Q R S Ș ß 7	T U Ù Ú Û Ü Ũ V 8	W Ŵ X Y ŷ Z 9
		a à á â ã ä å æ b c ç 2	d e è é ê ë ẽ f 3	g ğ h i ì í î ï ĩ ı ǐ 4	j k l 5	m n ñ o ò ó ô õ ö ø 6	p q r s ș ß 7	t u ù ú û ü ũ v 8	w ŵ x y ŷ z 9

- The following are used for both uppercase and lowercase: ø Ș Ŵ ŷ

Extended 2 character table (SŚŠ)

0	1	ABC 2	DEF 3	GHI 4	JKL 5	MNO 6	PQRS 7	TUV 8	WXYZ 9
Space 0	Space # & ' ( ) ∗ , - . / 1	A Á Ä Ą B C Ć Č 2	D Ď E É Ę Ě F 3	G H I Í 4	J K L Ł Ĺ Ľ 5	M N Ń Ň O Ó Ö Ő 6	P Q R Ŕ Ř S Ś Š 7	T Ť U Ú Ü Ű ú V 8	W X Y ỳ Ý Z Ź Ż Ž 9
		a á ä ą b c ć č 2	d ď e é ę ě f 3	g h i í 4	j k l ł ĺ ľ 5	m n ń ň o ó ö ő 6	p q r ŕ ř s ś š 7	t ť u ú ü ű ů v 8	w x y ỳ ý z ź ż ž 9

- The following are used for both uppercase and lowercase:

  Ą Ć Č Ę Ł Ĺ Ľ Ń Ŕ Ś Š ů ỳ Ź Ż Ž

Cyrillic character table (АБВ)

0	1	ABC 2	DEF 3	GHI 4	JKL 5	MNO 6	PQRS 7	TUV 8	WXYZ 9
Space 0 Ґ Є І ї ў	Space # & ' ( ) ∗ , - . / 1	А Б В Г 2	Д Е Ж З 3	И Й К Л 4	М Н О П 5	Р С Т У 6	Ф Х Ц Ч 7	Ш Щ Ъ Ы 8	Ь Э Ю Я 9

Error messages

Error message	Cause & solution
Failed	● Phonebook copy failed. Confirm the other handset (the receiver) is in standby mode and try again.
Incomplete	● The receiver's phonebook memory is full. Erase the unnecessary phonebook entries from the other handset (the receiver) and try again.
Memory Full	● The handset's phonebook memory is full. Erase unnecessary entries (page 16).
You must first subscribe to Caller ID.	● You must subscribe to Caller ID service. Once you receive caller information after subscribing to Caller ID service, this message will not be displayed.

Troubleshooting

If you still have difficulties after following the instructions in this section, disconnect the AC adaptor and turn off the handset, then reconnect the AC adaptor and turn on the handset.

Telephone

Problem	Cause & solution
Ⓨ is flashing.	● The handset is not registered to the base unit. Register it (page 27). ● The handset is too far from the base unit. Move closer. ● The AC adaptor is not connected. Check the connections. ● You are using the handset or base unit in an area with high electrical interference. Place the handset and base unit away from interference sources, such as antennas and mobile phones.
The handset display is blank.	● The handset is in screen saver mode (page 10). Press 【⏻】 to activate the handset display again. ● The handset is not turned on. Turn the power on (page 10).
The handset will not turn on.	● Make sure that the batteries are installed correctly (page 9). ● Fully charge the batteries (page 9). ● Clean the charge contacts and charge again (page 9).

Problem	Cause & solution
I have changed the display language to a language I cannot read.	● Change the display language (page 11).
I cannot make or receive calls.	● The AC adaptor or telephone line cord is not connected. Check the connections. ● If you are using a BT double adaptor to connect the unit, remove the adaptor and connect the unit to the phone wall socket directly. If the unit operates properly, check or replace the adaptor. ● Disconnect the base unit from the telephone line and connect the line to a known working telephone. If the working telephone operates properly, contact our service personnel to have the unit repaired. If the working telephone does not operate properly, contact your service provider/telephone company. ● You dialled a call restricted number (page 23). ● The key lock feature is turned on. Turn it off (page 13). ● The unit is not designed to be used with rotary (pulse dialling) services.
The unit does not ring.	● The ringer volume is turned off. Adjust the ringer volume (page 18, 22). ● The night mode feature is turned on. Turn it off (page 20).
The batteries should be charging but the battery icon does not change.	● Clean the charge contacts and charge again (page 9).
A busy tone is heard when [ ] is pressed.	● The handset is too far from the base unit. Move closer and try again. ● Another handset is in use. Wait and try again later.
Static is heard, sound cuts in and out. Interference from other electrical units.	● Place the handset and the base unit away from other electrical appliances. ● Move closer to the base unit. ● Your unit is connected to a telephone line with ADSL (JetStream) service. We recommend that you contact your ADSL service provider to have an ADSL Splitter installed. We do not recommend the use of generic ADSL filters. Contact your ADSL service provider for details.
Noise is heard during a call.	● You are using the handset or base unit in an area with high electrical interference. Place the handset and base unit away from interference sources, such as antennas and mobile phones.

Problem	Cause & solution
The handset stops working while being used.	● Disconnect the AC adaptor and turn off the handset. Connect the AC adaptor, turn on the handset and try again.
Pressing ⦿ does not display/dial the last number dialled.	● The redialled number was more than 24 digits long. Redial the number manually.
Mute does not turn off after the line is connected.	● Press **【C/⊠】**.
The handset beeps intermittently and/or ▭ flashes.	● Fully charge the batteries (page 9).
I fully charged the batteries, but ▭ still flashes.	● Clean the charge contacts and charge again (page 9). ● It is time to replace the batteries (page 9).
I fully charged the batteries, but the operating time seems to be short.	● Wipe the battery ends (⊕, ⊖) and the unit contacts with a dry cloth.
Caller information is not displayed.	● You must subscribe to Caller ID service. ● Your unit is connected to a telephone line with ADSL (JetStream) service. We recommend that you contact your ADSL service provider to have an ADSL Splitter installed. We do not recommend the use of generic ADSL filters. Contact your ADSL service provider for details. ● Other telephone equipment such as a monitored Burglar Alarm or the modem in the SKY Digital decoder may be interfering with this unit. Disconnect the other equipment and try again.
While viewing caller information, the display returns to standby mode.	● Do not pause for over 1 minute while searching.
I cannot register a handset to a base unit.	● The maximum number of base units (4) are already registered to the handset. Cancel unused base unit registrations from the handset (page 28). ● The maximum number of handsets (6) are already registered to the base unit. Cancel unused handset registrations from the base unit (page 28). ● You entered the wrong PIN number. If you forget your PIN, consult your nearest Panasonic service centre. ● Place the handset and the base unit away from other electrical appliances.

Specifications

■ **Standard:**
GAP (Generic Access Profile)

■ **Number of channels:**
120 Duplex Channels

■ **Frequency range:**
1.88 GHz to 1.9 GHz

■ **Duplex procedure:**
TDMA (Time Division Multiple Access)

■ **Channel spacing:**
1,728 kHz

■ **Bit rate:**
1,152 kbit/s

■ **Modulation:**
GFSK (Gaussian Frequency Shift Keying)

■ **RF transmission power:**
Approx. 250 mW

■ **Power source:**
220–240 V, 50 Hz

■ **Power consumption:**
Base unit:
Standby: Approx. 1.9 W
Maximum: Approx. 6.8 W

■ **Operating conditions:**
5 °C–40 °C, 20 %–80 % relative air humidity (dry)

■ **Dimensions:**
Base unit: Approx. 63 mm × 173 mm × 99 mm
Handset: Approx. 155 mm × 48 mm × 34 mm

■ **Mass (weight):**
Base unit: Approx. 210 g
Handset: Approx. 140 g

Note:

- Specifications are subject to change.
- The illustrations used in these operating instructions may differ slightly from the actual product.

Index

A Additional base units: *27*
Additional handsets: *27*
Alarm: *20*
Answering calls: *13*
Auto talk: *13*, *19*

B Base unit
Cancelling: *28*
Selecting: *28*
Settings: *22*
Battery
Charge: *9*
Installation: *9*
Performance: *10*
Replacement: *9*
Strength: *10*

C Caller ID service: *24*
Call minder: *26*
Call restriction: *23*
Call waiting: *13*
Category: *15*
Display colours: *25*
Ringtones: *24*
Chain dial: *17*
Character entry: *31*
Conference calls: *29*
Connections: *8*
Copy
Phonebook: *30*

D Date and time: *11*
Display
Colour: *18*
Contrast: *18*
Icons: *7*
Language: *11*
Standby mode: *18*
Wallpaper: *18*

H Handset
Cancelling: *28*
Locator: *14*
Power on/off: *10*
Registration: *27*
Settings: *18*

I Intercom: *29*

K Key lock: *13*
Keytones: *19*

M Making calls: *12*
Missed calls: *24*
Mute: *13*

N Night mode
Handset: *20*

O One touch dial: *16*

P Pause: *13*
Phonebook
Handset phonebook: *15*
Phonebook copy: *30*
PIN
Base unit: *22*
Power on/off: *10*

R Recall: *13*, *22*
Redialling: *12*
Redial list: *12*
Registration: *27*
Repeater: *29*
Ringtones: *18*

S Screen saver mode: *10*
Speakerphone: *12*

T Transfer calls: *29*

V Voice enhancer: *13*
Volume
Receiver: *12*
Ringer (Base unit): *22*
Ringer (Handset): *18*
Speakerphone: *12*

Notes

Notes

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